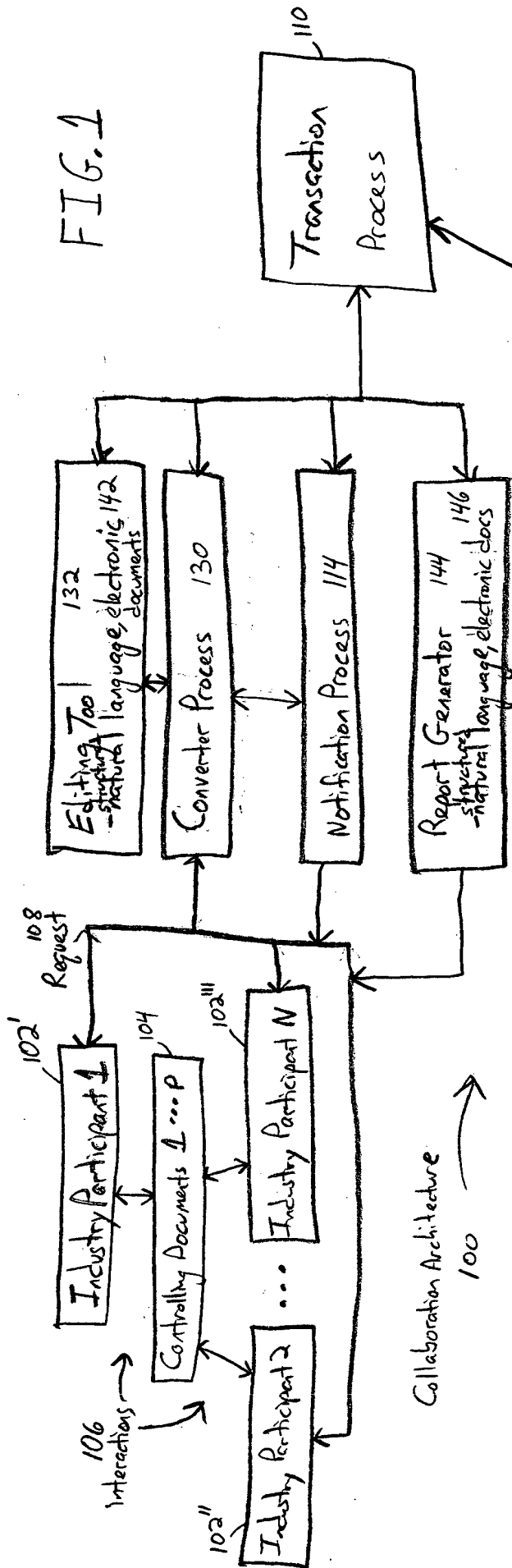


FIG. 1



## Semantic Network Data 112

### Industry-Specific Data Structures 114

- Entity Types 120
- Relationship Types 122
  - Contractual Provisions 123
- Request Types 124
- Transaction Sequence Types 126
  - Transaction Operations 127
- Reference Data 128

### Configuration-Specific Data Structures 116

- Entities 134
- Relationships 140
  - Rules, Policies, Provisions 138
  - natural language structure representations 142
- Transaction Sequences 136

### Transaction-Specific Data Structures 118

- Instance of Semantic Network 156
- Instances of Entity Data Structures 158
- Request Data Structures 148
- Transactional Data Structures 152
  - Intermediate Data Structures 150
  - Final Data Structures 154

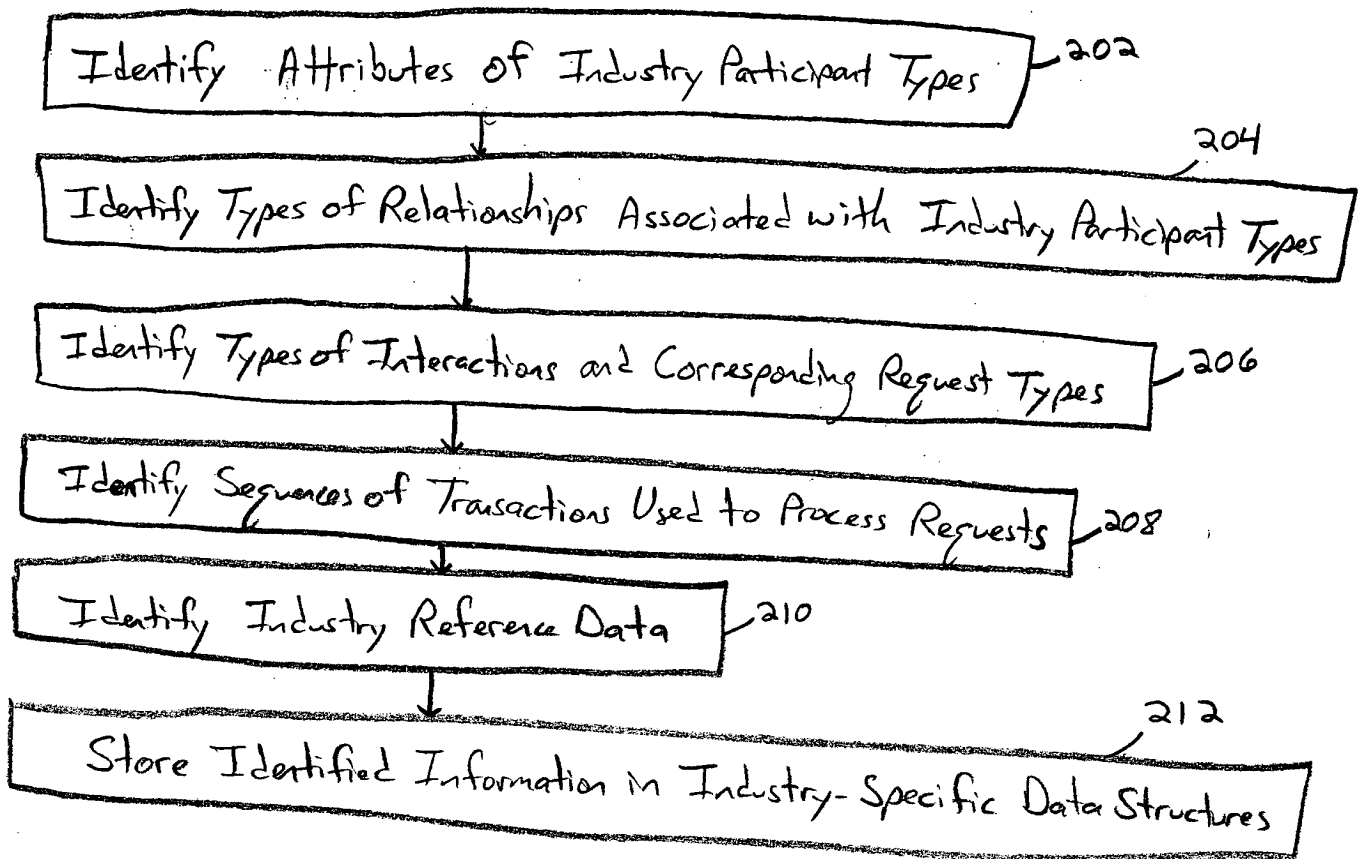


FIG. 2

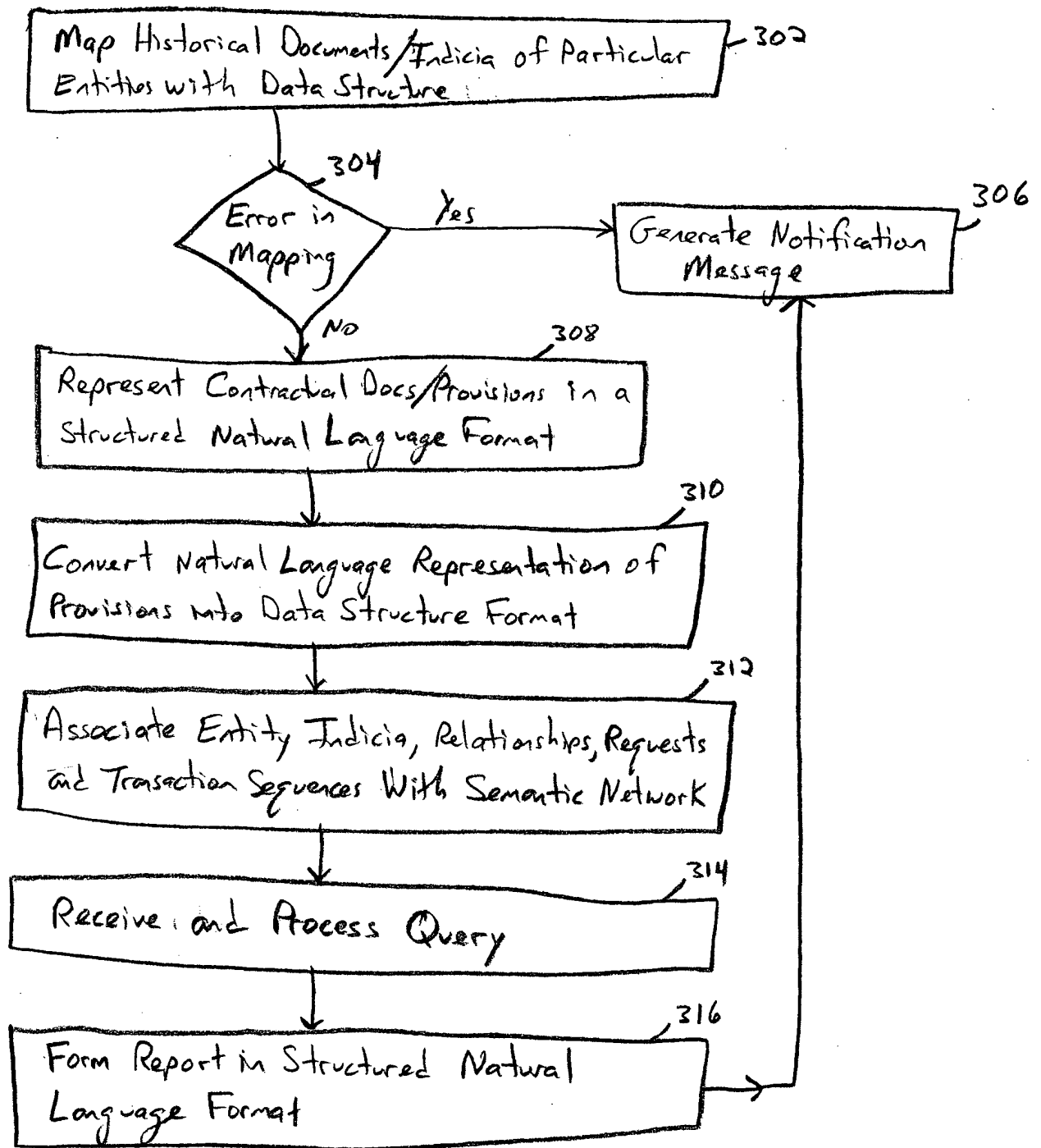


FIG. 3

FIG.4

### **Benefit limit Natural Language Representation**

limits

limit member 2 unit(s) : for service

"90801", "90804", "90806"

per 1 calendar year

benefits

benefit for service "90801", "90804",

"90806" 100 % of service

cost co-payment of \$ 5.00 per

occurrence

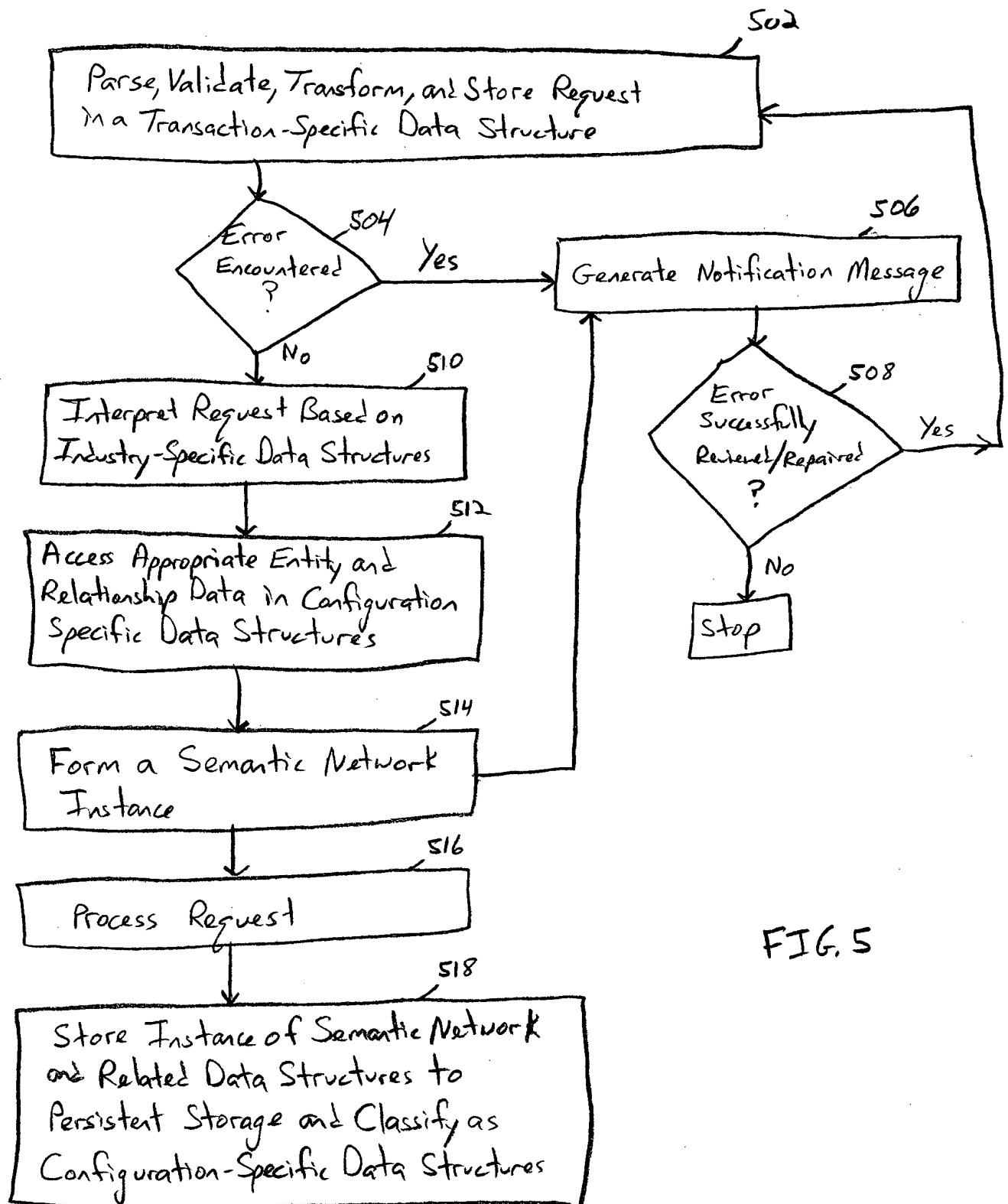


FIG. 5

FIG 6

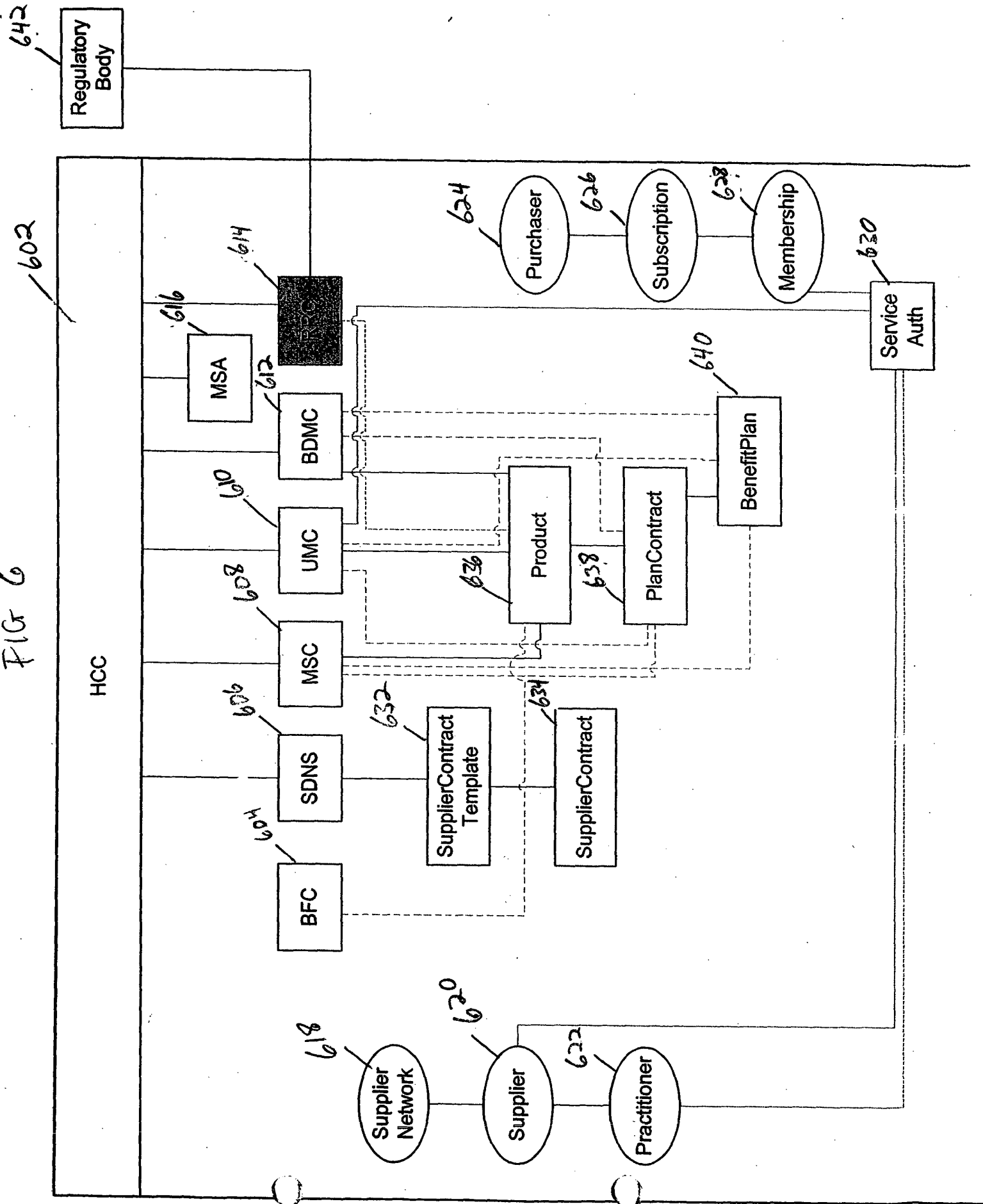


FIG. 7

